

Abstract

**Device comprising an array of microsystems which can be individually
5 addressed by means of electromagnetic transmission and method of
addressing one such device**

The microsystems (2) communicate by electromagnetic transmission (4, 5,
8), preferably by radio frequency, with a control circuit (3). An initialization
10 phase of the method of addressing successively comprises addressing, by
the control circuit (3), of each microsystem (2) by an identification code that is
proper to the latter and storing, in a register of the microsystem, of a reduced
addressing code (C) supplied by the control circuit (3). A subsequent
15 addressing phase comprises transmission to all the microsystems (2), by the
control circuit (3), of reset signals and increment signals. Each microsystem
(2) monitors resetting of at least one counter upon receipt of a reset signal
and incrementation of the content of the counter upon receipt of an increment
signal. Each microsystem (2) compares the contents of its counter and of its
20 contents are identical.

(Figure 1)